

Appendix 3. The post-workshop follow-up survey to prioritize research needs of floodplain conservation lands along the Upper Mississippi River, Middle Mississippi River, and Lower Missouri River.

Q1 Please identify the major river section(s) that the floodplain properties you manage are located.

- Upper Mississippi
- Middle Mississippi
- Lower Missouri
- Other _____

Q2 In general, would you consider the management activities on the floodplain properties to be predominantly active or passive?

- Active management
- Passive management

Q3 Please rank the following types of information based on your frequency of use and informative value in making management decisions on floodplain properties. Please add additional variables that you use to make decisions.

	Frequency of use				Informative value			
	Not available to my knowledge	Available but not used	Used occasionally	Used commonly	Does not inform planning or management decisions	Informs planning decisions	Informs management decisions	Informs planning and management decisions
Topography and elevation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Soil type	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hydro-geomorphic (HGM) classification of habitat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metrics of floodplain inundation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q4 Do you know of sources of environmental data, either biotic or abiotic, on public floodplain properties?

- Yes
- No

Q5 Please share the source of environmental data, type of data collected, and location of collection sites.

Q6 Please rank the potential informative value of the following types of scientific information in relation to managing floodplain properties. Additionally, please rank the priority in which you would like to see the following metrics developed (1 = highest priority). Add additional variables you would find useful to make management decisions on floodplain properties.

	Informative value				Priority Rank
	Would not inform planning or long-term management decisions	Would inform planning decisions	Would inform long-term management decisions	Would inform planning and long-term management decisions	Select Rank (1-10)
Depth and extent of floodplain inundation at different river stages	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Frequency of inundation - how often does a floodplain flood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonality of inundation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Duration of inundation - how long does water stay on a floodplain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stages associated with low flow events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flow velocities on floodplain at different river stages	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Elevation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Locations with high probability of sedimentation or scour from flood events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extent of seep-driven and precipitation-driven ponding on "dry" side of the levee	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Groundwater table associated with low and high flows	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q7 What type of product output(s) from this project would you find useful?

- Environmental variables or indices (i.e., water, depth, and soil type) as layers in a Geographical Information system (i.e., ArcGIS) that would allow for dynamic interaction
- Environmental variables or indices (i.e., water, depth, and soil type) as PDF/paper maps that would allow for static interaction
- Biological model outputs
- Hydrologic model outputs
- Online mapviewer
- Smartphone or tablet application
- Other _____

Q8 Does your agency incorporate climate change into management plans for floodplain properties?

- Yes
- No

Q9 Does your agency incorporate climate change into management decisions on floodplain properties?

- Yes
- No

Q10 Do you have research needs pertaining to how climate change might influence management decisions or objectives on the floodplain properties you manage?

- Yes
- No
- Not sure

Q11 Please describe your research needs pertaining to how climate change might influence management decisions or objectives on the properties you manage.

Q12 Have you seen or been informed of changes or trends associated with climate change on the properties you oversee?

- Yes
- No

Q13 Please identify the changes or trends on these properties that you associate with climate change.

Q14 In light of the information available regarding trends and projections in climate, hydrology, and extreme floods and droughts, please rank the priority in which you would like to see the following metrics developed (1 = highest priority). Add additional variables you would find useful to make management decisions regarding climate change impacts on floodplain properties.

	Priority Rank
	Select Rank (1-10)
Depth and extent of floodplain inundation at different river stages	
Frequency of inundation - how often does a floodplain flood	
Seasonality of inundation	
Duration of inundation - how long does water stay on a floodplain	
Stages associated with low flow events	
Flow velocities on floodplain at different river stages	
Elevation	
Locations with high probability of sedimentation or scour from flood events	
Extent of seep-driven and precipitation-driven ponding on "dry" side of the levee	
Groundwater table associated with low and high flows	
Other	

Q15 Please provide additional feedback that you would like to share regarding the objectives of the survey or specific questions.